

4.2.H. 05130204080.



Figure 4-50. Location of Subwatershed 05130204080. All Harpeth HUC-14 subwatershed boundaries are shown for reference.

4.2.H.i. General Description.

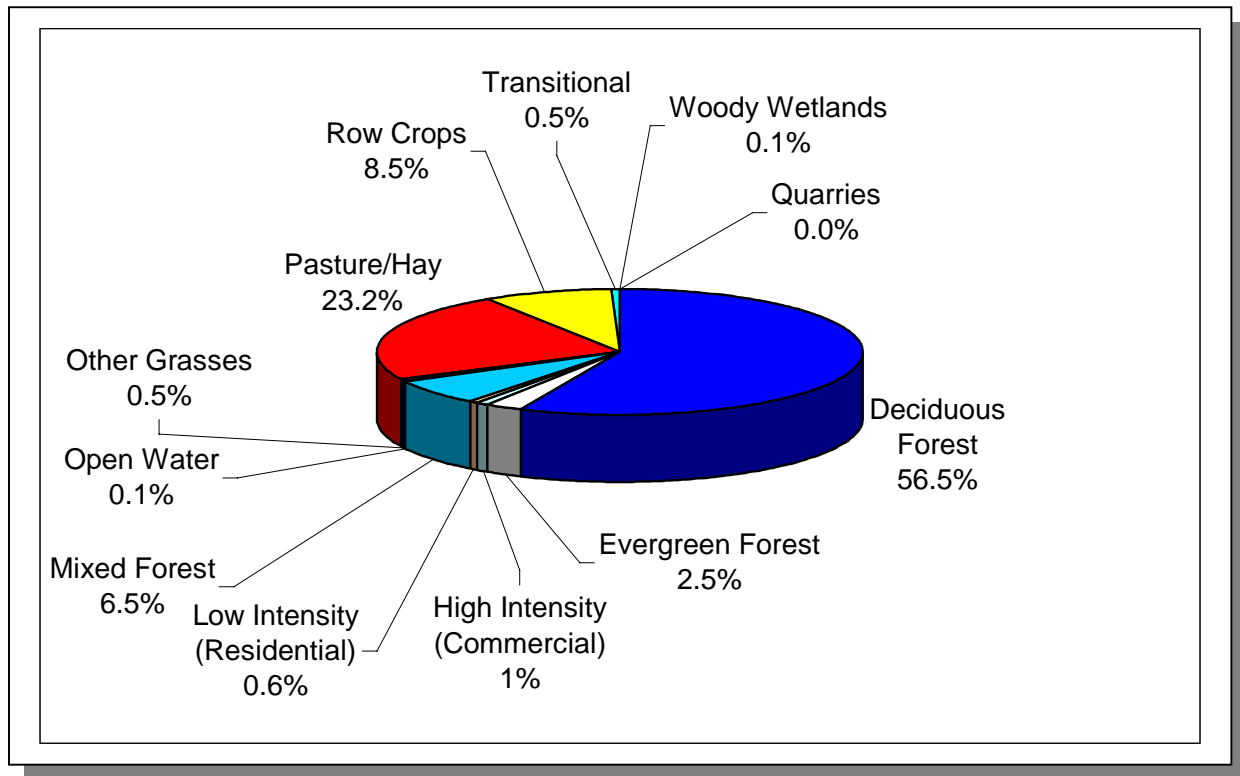


Figure 4-51. Land Use Distribution in Subwatershed 05130204080. More information is provided in Harpeth-Appendix IV.

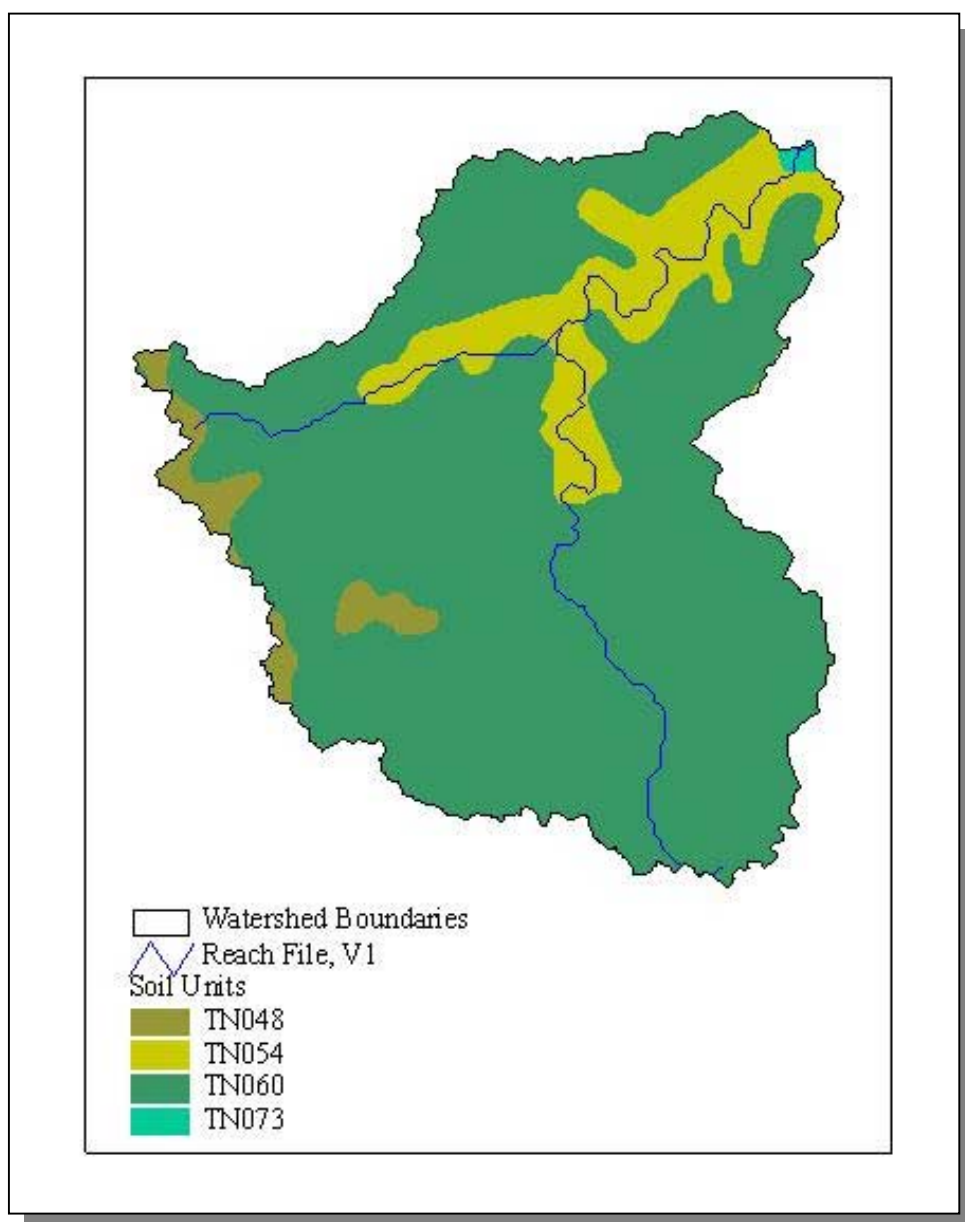


Figure 4-52. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204080.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN048	8.00	C	13.8	5.06	Silty Loam	0.42
TN054	0.00	C	30.4	4.84	Loam	0.32
TN060	5.00	B	13.0	5.32	Silty Loam	0.39
TN073	0.00	B	2.97	5.21	Loam	0.34

Table 4-52. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204080. More information is provided in Harpeth-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Cheatham	27,140	34,402	3.32	900	1,141	26.8
Dickson	35,061	40,937	13.36	4,685	5,470	16.8
Hickman	16,754	19,926	2.4	403	479	18.9
Williamson	81,021	111,453	4.32	3,503	4,819	37.6
Totals	159,976	206,718		9,491	11,909	25.5

Table 4-53. Population Estimates in Subwatershed 05130204080.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Fairview	Williamson	4,210	1,479	833	640	6
Burns	Dickson	1,127	440	53	384	3
Dickson	Dickson	8,791	3,818	3,268	540	10
White Bluff	Dickson	1,979	820	596	224	0
Kingston Springs	Cheatham	1,529	519	450	65	4
Totals		17,636	7,076	5,200	1,853	23

Table 4-54. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130204080.



Figure 4-53. Location of Historical Streamflow Data Collection Sites in Subwatershed 05130204080. Subwatershed 05130204050010 and 05130204040020 boundaries are shown for reference. More information may be found in Harpeth-Appendix IV.

4.2.H.ii. Point Source Contributions.

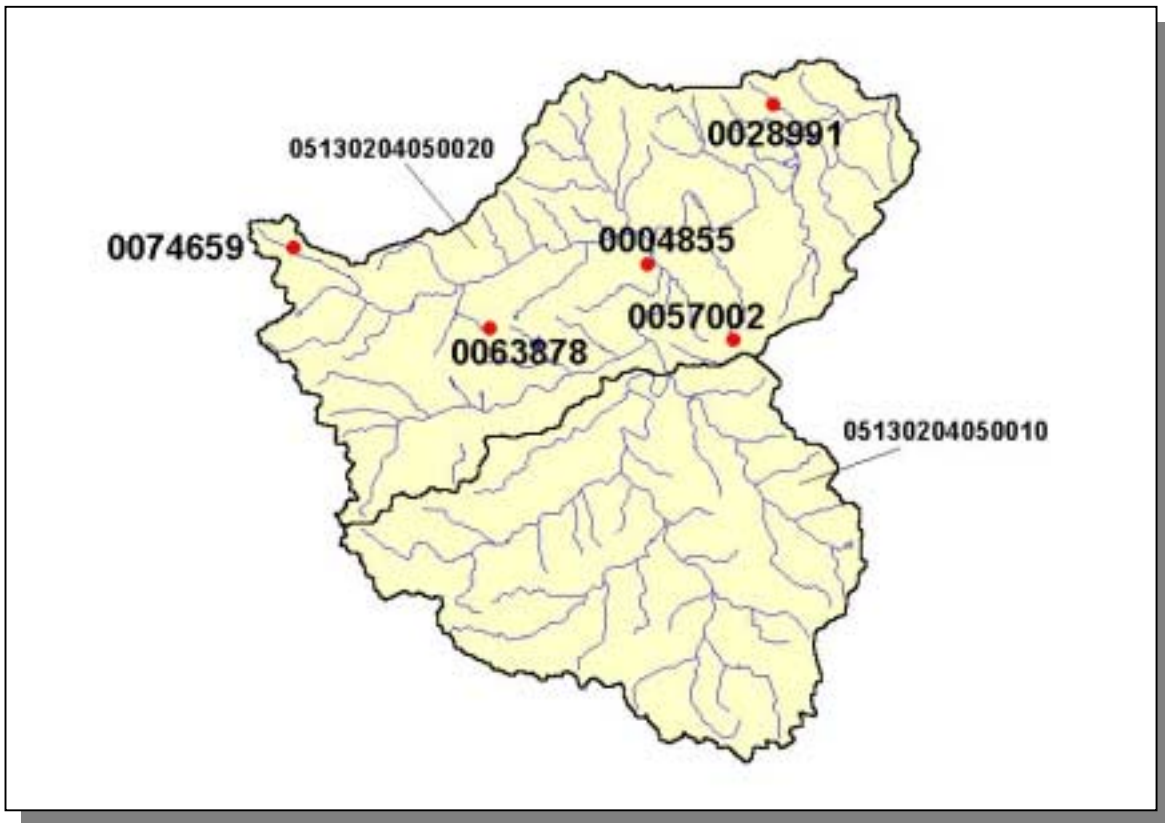


Figure 4-54. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130204080. Subwatershed 05130204050010 and 05130204040020 boundaries are shown for reference. More information, including the names of facilities, is provided in Harpeth-Appendix IV.



Figure 4-55. Location of Active Mining Sites in Subwatershed 05130204080. Subwatersheds 05130204050010 and 05130204050020 are shown for reference. More information, including the names of facilities, is provided in Harpeth-Appendix IV.

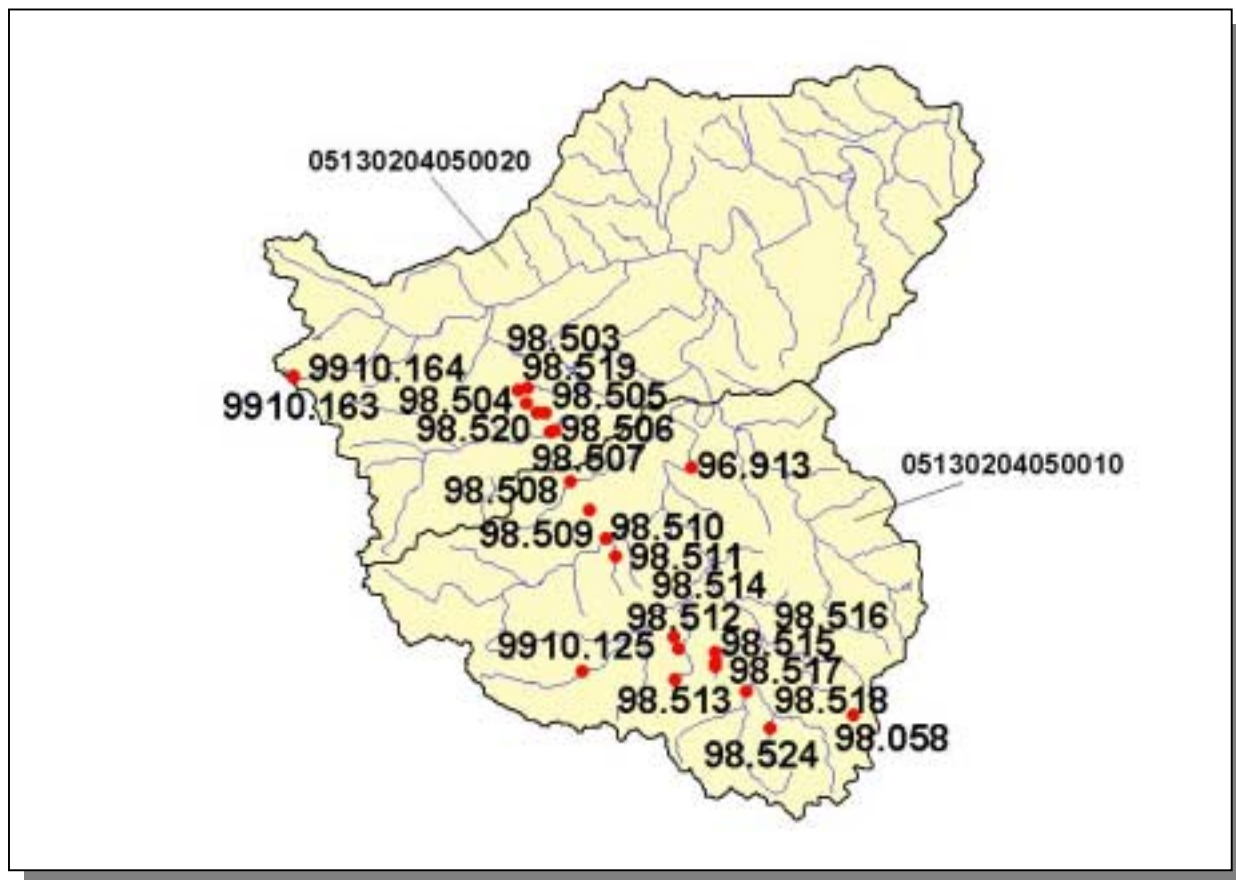


Figure 4-56. Location of ARAP Sites (Individual Permits) in Subwatershed 05130204080. Subwatershed 05130204050010 and 05130204050020 boundaries are shown for reference. Additional information may be found in Harpeth-Appendix IV.

4.2.H.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
1,956	9,382	84	17	63	834	36

Table 4-55. Summary of Livestock Count Estimates in Subwatershed 05130204080. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cheatham	118.2	118.2	2.3	8.4
Dickson	174.3	174.3	1.8	7.7
Hickman	297.2	297.2	5.8	23.0
Williamson	142.0	142.0	1.0	3.3
Totals	731.7	731.7	10.9	35.4

Table 4-56. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130204080.

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Soybeans (Row Crops)	5.19
Grass (Hayland)	0.36
Legume (Hayland)	0.88
Grass (Pastureland)	0.68
Grass Forbs Legumes (Mixed Pasture)	0.69
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	2.23
Corn (Row Crops)	4.11
Other Cropland not Planted	4.74
Legume Grass (Hayland)	0.43
Vineyard (Horticultural)	1.05
Other Vegetable and Truck Crops	7.71
Conservation Reserve Program Land	0.18
Tobacco (Row Crops)	7.10
Wheat (Close Grown Cropland)	1.27
Other Land in Farms	0.12
Legume (Pastureland)	0.46

Table 4-57. Annual Estimated Total Soil Loss in Subwatershed 05130204080.